

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-000320
(43)Date of publication of application : 06.01.1999

(51)Int.Cl.

A61B 5/055
G01R 33/32

(21)Application number : 09-156770

(71)Applicant : HITACHI MEDICAL CORP

(22)Date of filing : 13.06.1997

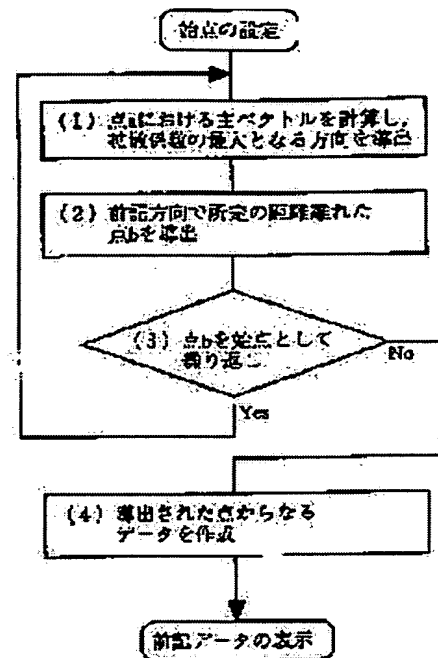
(72)Inventor : BITO YOSHITAKA
HIRATA TOMOTSUGU
OKAJIMA KENICHI

(54) MAGNETIC RESONANCE DEVICE INDICATING DIFFUSION COEFFICIENT OF DIFFUSION TENSOR

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a display device that is appropriate for displaying the travel of a nerve fiber.

SOLUTION: A display device is equipped with a processing means, which originates data consisting of a series of points obtained by (1) deducing the highest direction of a diffusion coefficient with a predetermined point as the starting point, using a diffusion tensor at each point on the screen, (2) deducing the next point located at a position that is a predetermined distance apart in that direction, and (3) repeating the steps (1), (2) with the deduced next point as the starting point, and a display means which (4) displays data obtained by the processing means. Data consisting of a series of points along a nerve fiber can be originated by the step (1) through (4), and the travel of the nerve fiber can be grasped easily by displaying the data.



LEGAL STATUS

[Date of request for examination]

08.04.2002

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the
examiner's decision of rejection or application converted
registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of
rejection]

[Date of requesting appeal against examiner's decision of
rejection]

[Date of extinction of right]